Ch. 1

Matter and Energy

Unit Objectives:

* I will be able to understand that matter has definite structure that determines characteristic physical and chemical properties
* I will be able to develop and explain an evidence-based scientific explanation supporting the current model of an atom
* I will be able to understand mass and volume and how they relate to matter
* I will be able to explain buoyancy and how it relates to mass
* I will be able to explain density and how it relates to mass
* I will be able to understand how buoyancy and density are properties that influence and apply to matter
* I will be able to gather, analyze, and interpret data on chemical and physical properties of elements such as density, melting point, boiling point, and conductivity.

Chapter 1 Vocabulary

Matter:

Mass:

Weight:

Volume:

Atom:

Molecule:

Element:

Compound:

Mixture:

States of Matter:

Solid:

Liquid:

Gas: